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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/092,155	03/05/2002	Bruce E. Lavigne	100202520-1	9222

7590 11/27/2007
HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P.O. Box 272400
Fort Collins, CO 80527-2400

EXAMINER

HOM, SHICK C

ART UNIT	PAPER NUMBER
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2616

MAIL DATE	DELIVERY MODE
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11/27/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/092,155

Applicant(s)

LAVIGNE ET AL.

Examiner

Shick C. Hom

Art Unit

2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 August 2007.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3, 5-8 and 11-18 is/are rejected.
- 7) ☒ Claim(s) 4, 9-10 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- ☐ Notice of Informal Patent Application
- ☐ Other: _____

DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims 1-18 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-3, 5-8, and 11-18 are rejected under 35 U.S.C. 102(b) as being anticipated by Soni (6,006,330).

Regarding claims 1, 5, 12, and 15-16:

Soni discloses a method and apparatus for routing a packet, comprising: means for buffering a received packet; means for calculating and storing a different value for one field of said received packet; and multiplexing means for selecting either an

original value of said packet for output or said different value for output (col. 8 lines 9-21 and Fig. 5b shows multiplexer 70 being switched between the original frame from delay 68 and the modified frame with data segment taken from 71 to feed the port circuit 73 clearly anticipate the multiplexing means for selecting either an original value of said packet for output or said different value for output as in claims 1, 5, 12, 15).

Regarding claims 2-3, 11, 14, and 17:

Soni discloses pre-computing said modified bytes and storing pre-computed modified bytes in said second memory and adaptively modifying selected bytes of said packet in accordance with a pre-determined format of said packet (col. 2 lines 21-34 recite the substitute data in the modified frame being a string of pre-computed bits or a sequence of random or meaningful data read from memory).

Regarding claims 6-8, 13:

Soni discloses a controller coupled to said multiplexer, wherein said controller specifies whether bytes from said first memory or bytes from said second memory are to be selected for output as in claims 6, 13; wherein said controller adaptively controls said multiplexer according to a pre-determined format corresponding to said packet as in claim 7; and wherein said

multiplexer selects bytes corresponding to those fields of said packet which need to be modified from said second memory and said multiplexer selects bytes corresponding to those fields of said packet which do not need to be modified from said first memory as in claim 8 (Fig. 5b, the comparators coupled to the multiplexer 70 for selecting the output clearly reads on the controller coupled to the multiplexer as recited in claims 6-8, 13).

Regarding claim 18:

Soni discloses means for generating modified packets without overwriting packet data (col. 4 lines 10-17 recite the frames being forwarded without being modified and Fig. 5b shows the modified frame in storage 71 and the original frame in storage 68 clearly read on generating modified packets without overwriting the packet data as claimed).

Allowable Subject Matter

4. Claims 4 and 9-10 would be allowable if rewritten to include all of the limitations of the base claim and any intervening claims.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Lo et al. disclose a method for fragmenting an incoming packet into a first outgoing packet and a second outgoing packet.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shick C. Hom whose telephone number is 571-272-3173. The examiner can normally be reached on Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Pham Chi can be reached on 571-272-3179. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

SH SH


CHI PHAM
SUPERVISORY PATENT EXAMINER

11/26/07